



IEC/TC OR SC: TC 35	SECRETARIAT: Japan	DATE: 2016-11-4
-------------------------------	------------------------------	---------------------------

Please ensure this form is annexed to the Report to the Standardization Management Board if it has been prepared during a meeting, or sent to the Central Office promptly after its contents have been agreed by the committee.

A. STATE TITLE AND SCOPE OF TC

Title: Primary cells and batteries

To prepare international standards for primary cells and batteries, particularly those relating to specifications, dimensions, performance and guidance on safety matters.

B. MANAGEMENT STRUCTURE OF THE TC

TC 35 Membership: Participating countries 18, Observer countries 19

Maintenance Teams

MT 13	Watch batteries
MT 14	Performance tests and dimensions
MT 15	Lithium batteries
MT 16	Safety of batteries with aqueous electrolyte
MT 17	Document harmonization

Joint Maintenance Teams

JMT 18	(TC 35/SC 21A) - Safety of primary and secondary lithium batteries during transport linked to SC 21A
--------	--

Internal IEC Liaison

SC 3C	Graphical symbols for use on equipment
TC 21	Secondary cells and batteries
SC 21A	Secondary cells and batteries containing alkaline or other non-acid electrolytes
TC 61	Safety of household and similar electrical appliances

Liaison ISO

ISO/TC 114	Horology
ISO/TC 145 SC 2	*TC 35 had decided to start liaison to ISO/TC 145/SC 2 in IEC TC35 Plenary meeting on 14 Oct. 2016.

C. BUSINESS ENVIRONMENT

The primary battery industry is currently marked by relatively flat growth. Devices that require portable power continue to grow in parallel with increases in global population and advances in digital technology. However, primary batteries must increasingly compete with other power solutions, particularly portable secondary batteries. While there is still a very large installed base of older devices on a worldwide basis, continued growth in high tech devices and the use of “batteries on board” continue to be notable trends affecting the primary battery industry. The current focus remains largely in traditional chemistries like carbon zinc, alkaline manganese dioxide and various lithium systems.

D. MARKET DEMAND

The customers of standards developed by TC 35 should be the manufacturers, designers, and users of primary batteries, and battery operated products and equipment. Some governmental or regulatory bodies use the standards as a compliance requirement in the purchasing process. They also promote the use of voluntary industry standards as the guiding reference for information on primary battery-related safety items. Many countries use the standards as the basis for their national standards, either by strong harmonization or outright adoption. It remains imperative that the International Standards developed by TC 35 remain technically relevant so that they continue to serve as models for consideration.

E. TRENDS IN TECHNOLOGY AND IN THE MARKET

The device market continues to require improved performance from portable power sources in increasingly smaller physical envelopes. The trend is to maximize volumetric energy density and, correspondingly, provide smaller battery solutions. The dominant application shares of the 6 and 03 sizes (away from 14 and 20 sizes for example) are continuing evidence of this trend. The growth of lithium coin cells in the application market is another significant example as well.

Market trends for primary batteries often follow trends in devices. In this regards, the growth or decline in the use of specific devices plays a significant role in determining market relevant content for the TC 35 standards. The various primary battery chemistries tend to be better suited for certain device categories and maybe less so for others. The trend is to choose the right battery for the right application. Other trends include sustainability considerations (see below), the globalization/standardization of cautionary advice (pictograms, for example), and, generally, more emphasis on product safety, particularly relating to transportation and battery ingestions.

F. SYSTEMS APPROACH ASPECTS (REFERENCE - AC/33/2013)

TC 35 will actively continue to utilize and pursue cooperation relationships through various liaison activities, particularly joint working groups, joint project teams, and horizontal group efforts. Historically, the strongest relationships have been with SC 21A and ISO TC 114 and mutually important activities remain strong and relevant. Other systems efforts are initiated on a need basis. Examples include SC 3C for safety pictograms, TC 1 for the IEV, and TC 61 as it relates to battery operated equipment safety. Because portable primary batteries are ubiquitous in the marketplace, there are always opportunities to work with other committees to improve or develop standards that are of clear mutual interest or linked on some specific items.

G. CONFORMITY ASSESSMENT

TC 35 has had developed several international standards for being used in IECCE Test Report Form.

H. 3-5 YEAR PROJECTED STRATEGIC OBJECTIVES, ACTIONS, TARGET DATES

STRATEGIC OBJECTIVES 3-5 YEARS	ACTIONS TO SUPPORT THE STRATEGIC OBJECTIVES	TARGET DATE(S) TO COMPLETE THE ACTIONS
<p>For existing International Standards</p> <p>1. Maintain and update International Standards developed by TC 35 to reflect the customer needs and new or changing technologies.</p> <p>Initiating RR document is the timing to start the project.</p> <p>2. Maximize work efficiency to complete and develop TC 35 deliverables on schedule.</p> <p>Encourage all related members to challenge the development of the standards.</p> <p>3. Make efforts to solve the global problems such as battery ingestion issues by International Standards.</p>	<p>4 maintenance teams and 1 joint maintenance team will develop new editions of IS as following;</p> <p>MT 13</p> <p>IEC 60086-3/Ed5</p> <p>MT 14</p> <p>IEC 60086-1/Ed13</p> <p>IEC 60086-2/Ed14</p> <p>MT 15</p> <p>IEC 60086-4/Ed5</p> <p>MT 16</p> <p>IEC 60086-5/Ed5</p> <p>JMT 18</p> <p>IEC 62281/Ed3</p> <p>IEC 62281/Ed4</p> <p>MT 17 has been controlling the harmonization for IS developed by TC 35.</p>	<p>Stability date for IS as following;</p> <p>By 2021-01</p> <p>By 2020-01</p> <p>By 2020-01</p> <p>By 2019-01</p> <p>By 2020-02</p> <p>By 2017-01</p> <p>By 2019-01</p> <p>On going</p>
<p>For new International Standards</p> <p>4. Pay close attention to the world trends such as environmental issues.</p>	<p>Consider to develop the new international standard for the environment by TC 35.</p> <p>In case NWIP 35/1366/NP circulated from 5th Aug. was approved, new WG will be requested within TC 35 to develop the first edition of IS.</p>	<p>By 2020-01</p>

Note: The progress on the actions should be reported in the RSMB.